BRUHATH BANGALORE MAHANAGARA PALIKE

Name of the Work: Package No.14 A) CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO YELAHANKA GOVT FIRST GRADE COLLEGE IN YELAHANKA DIVISION B) CONSTRUCTION OF HEALTH BUILDING AT B SECTOR IN WARD NO.04 IN YELAHANAKA SATELITE TOWN SUB DIVISION C) CONSTRUCTION OF SAMUDHAYA BHAVANA AT BEST COUNTY -III AND PROVIDING GYM EQIPMENTS AT BEST COUNTY -II IN WARD NO.03 YELAHANKA SUB DIVISION.

RATE ANALYSIS - Work Slip and EIRL

3	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal course aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge.(Page no-13, Item No-4.3 of PWD SR 2018-19.)..								
	Basic rate	5162.00							
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 180kgs = 180X(300.78-245.315)/50	199.67							
	8%Weightage	424.13							
	Total Rs.	5725.81							
	1.00% TP	57.26							
	Net Total Rs.	5783.07							
						Total	**5783.07**		**Cum**

7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge								
	Basic rate	62.12							
	8%Weightage	4.97							
	Total Rs.	67.09							
	1.00% TP	0.67							
	Net Total Rs.	67.76							
						Total	**67.76**		**Cum**

18	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts fo all works in First Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specificationsand directions of the Engineer in charge. (Pg No. 14, Item No. 4.12 of PWD SR 2018-19) (First Floor)								
	Basic rate	6045.00							
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								

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	For 340kgs = 340X(300.78-245.315)/50	377.162								
	Lift Charges	60.00								
	Sub Total	6482.16								
	8%Weightage	518.57								
	Total Rs.	7000.73								
	1.00% TP	70.01								
	Net Total Rs.	7070.74								

						Total	7070.74			Sqm
19	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. (Second Floor)									
	Basic rate	6045.00								
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021									
	For 340kgs = 340X(300.78-245.315)/50	377.162								
	Lift Charges	120.00								
	Sub Total	6542.16								
	8%Weightage	523.37								
	Total Rs.	7065.53								
	1.00% TP	70.66								
	Net Total Rs.	7136.19								

						Total	7136.19			Cum
20	: Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge.(Third Floor)									
	Basic rate	6045.00								
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021									
	For 340kgs = 340X(300.78-245.315)/50	377.162								
	Lift Charges	180.00								
	Sub Total	6602.16								
	8%Weightage	528.17								

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	Total Rs.	7130.33								
	1.00% TP	71.30								
	Net Total Rs.	7201.64								
						Total	7201.64			Cum
24	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of the Engineer in charge. (First Floor)									
	Basic rate	496.00								
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021									
	For 27.20kgs = 27.20X(300.78-245.315)/50	30.17296								
	Lift Charges	5.00								
	Sub Total	531.17								
	8%Weightage	42.49								
	Total Rs.	573.67								
	1.00% TP	5.74								
	Net Total Rs.	579.40								
						Total	579.40			Sqm
25	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of the Engineer in charge. (Second Floor)									
	Basic rate	496.00								
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021									
	For 27.20kgs = 27.20X(300.78-245.315)/50	30.17296								
	Lift Charges	10.00								
	Sub Total	536.17								
	8%Weightage	42.89								
	Total Rs.	579.07								
	1.00% TP	5.79								
	Net Total Rs.	584.86								
						Total	584.86			Sqm
26	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (Third Floor)									
	Basic rate	496.00								

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	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 27.20kgs = 27.20X(300.78-245.315)/50	30.17296							
	Lift Charges	15.00							
	Sub Total	541.17							
	8%Weightage	43.29							
	Total Rs.	584.47							
	1.00% TP	5.84							
	Net Total Rs.	590.31							
						Total	**590.31**		**Sqm**
30	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Second Floor)								
	Basic rate	78007.00							
	Lift Charges	1496.00							
	Sub Total	79503.00							
	8%Weightage	6360.24							
	Total Rs.	85863.24							
	1.00% TP	858.63							
	Net Total Rs.	86721.87							
						Total	**86721.87**		**tonne**
31	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Third Floor)								
	Basic rate	78007.00							
	Lift Charges	2244.00							
	Sub Total	80251.00							
	8%Weightage	6420.08							
	Total Rs.	86671.08							
	1.00% TP	866.71							
	Net Total Rs.	87537.79							
						Total	**87537.79**		**tonne**
32	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Head room))								
	Basic rate	78007.00							
	Lift Charges	2992.00							
	Sub Total	80999.00							
	8%Weightage	6479.92							

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	Total Rs.	87478.92							
	1.00% TP	874.79							
	Net Total Rs.	88353.71							
						Total	**88353.71**		**tonne**

48	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.								
	Basic rate	204.00							
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 380kgs =0 .012X380(300.78-245.315)/50	5.058408							
	Lift Charges	0.00							
	Sub Total	209.06							
	8%Weightage	16.72							
	Total Rs.	225.78							
	1.00% TP	2.26							
	Net Total Rs.	228.04							
						Total	**228.04**		**Sqm**

49	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge. (First Floor)								
	Basic rate	204.00							
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 380kgs =0 .012X380(300.78-245.315)/50	5.058408							
	Lift Charges	6.00							
	Sub Total	215.06							
	8%Weightage	17.20							
	Total Rs.	232.26							
	1.00% TP	2.32							
	Net Total Rs.	234.59							
						Total	**234.59**		**Sqm**

50	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(second Floor)								
	Basic rate	204.00							

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	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 380kgs =0 .012X380(300.78-245.315)/50	5.058408							
	Lift Charges	12.00							
	Sub Total	221.06							
	8%Weightage	17.68							
	Total Rs.	238.74							
	1.00% TP	2.39							
	Net Total Rs.	241.13							
						Total	**241.13**		**Sqm**

56	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. and directions of the Engineer in charge. (Third Floor)								
	Basic rate	225.00							
	Cement Exclation Cost from 245.315 per 50 kg bag to 300.78 per bag as per PWD order No.4721 dated on 01/02/2021								
	For 380kgs =0 .012X380(300.78-245.315)/50	5.058408							
	Lift Charges	18.00							
	Sub Total	248.06							
	8%Weightage	19.84							
	Total Rs.	267.90							
	1.00% TP	2.68							
	Net Total Rs.	270.58							
						Total	**270.58**		**Sqm**

111	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specificationsand directions of the Engineer in charge. (Second Floor)								
	Basic rate	95.00							
	Lift Charges	12.00							
	Sub Total	107.00							
	8%Weightage	8.56							
	Total Rs.	115.56							
	1.00% TP	1.16							
	Net Total Rs.	116.72							
						Total	**116.72**		**Kgs**

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116	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. (Third Floor)								
	Basic rate	5369.00							
	Lift Charges	18.00							
	Sub Total	5387.00							
	8%Weightage	430.96							
	Total Rs.	5817.96							
	1.00% TP	58.18							
	Net Total Rs.	5876.14							
						Total	**5876.14**		**Sqm**

228	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and directions of the Engineer in charge (First Floor)								
	Basic rate	323.00							
	Lift Charges	6.00							
	Sub Total	329.00							
	8%Weightage	26.32							
	Total Rs.	355.32							
	1.00% TP	3.55							
	Net Total Rs.	358.87							
						Total	**358.87**		**Sqm**

229	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and directions of the Engineer in charge (second Floor)								
	Basic rate	323.00							
	Lift Charges	12.00							
	Sub Total	335.00							
	8%Weightage	26.80							
	Total Rs.	361.80							
	1.00% TP	3.62							
	Net Total Rs.	365.42							
						Total	**365.42**		**Sqm**

EIRL-1	Earthwork excavation (in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1 ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work. (Page no-7, Item No-2.12 of PWD SR 2018-19.)..								
	Basic rate	403.00							
	8%Weightage	32.24							
	Total Rs.	435.24							
	1.00% TP	4.35							
	Net Total Rs.	439.59							
						Total	**439.59**		**Cum**

DSR INFRATECH Date 8/9/21 BENGALURU PMC

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Asst. Executive Engineer
Project Division
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